$$\frac{\sqrt{20}}{2}$$

$$\frac{\sqrt{-\cos 2}}{2}$$

$$\frac{\sqrt{20}}{2}$$

Fie 
$$z_m = (1 - \cos \frac{1}{m}) z^m$$
,  $(4m \in \mathbb{N}^k)$ 

$$A''' = \frac{3}{2\pi}$$
,  $A'' = A''$ 

: atimil es itarapmas el Suiretiro misabet

$$=\frac{3}{7}\in(0'+\infty)$$

Deci 
$$\sum_{m=1}^{\infty} \chi_m \sim \sum_{m=1}^{\infty} \chi_m$$
.

This with a sum 
$$\frac{1}{m}$$
  $\frac{1}{m}$   $\frac{1}{m}$ 

- . some ste  $m_{i} = 0$  is into,  $((1,0)3 \times .e.i) \times 0$  is  $m_{i} = 0$ . If  $m_{i} = 0$  is into,  $((0.01; 1)3 \times .e.i) \times 0$  is  $m_{i} = 0$ .

$$\underline{A}_{m} = \frac{\omega_{5}}{T_{m}} = \frac{\omega_{5}}{T}, \forall l m \in \mathbb{N}_{+}$$

$$\sum_{m=1}^{\infty} T_m = \sum_{m=1}^{\infty} \frac{1}{m^2}$$
, comercia (retie ormanică  $m=1$   $m=$ 

$$\stackrel{\omega=1}{\longrightarrow} \frac{3+3_{\omega}}{1}$$

$$\sum_{m=1}^{\infty} A^{m} = \sum_{m=1}^{\infty} \frac{1}{1} = \sum_{m=1}^{\infty} \left(\frac{1}{7}\right)^{m}$$

7.13.19....·(6m+1)(6(m+1)+1) .....

2:13:18: (5mt4) = Nim =

 $= 2im \frac{6mt}{5mt8} \cdot £ = \frac{6}{5} £$ 

- . nite m#  $\sum_{m=1}^{\infty}$  soute,  $((\infty + \frac{5}{6})) \Rightarrow *$  . s. i)  $1 < * \frac{9}{6}$  in din.
- 3) Decà  $\frac{2}{5} = \frac{5}{6}$ , critarial mu decide.

Smokell - slaak livetises masilites

Fie  $=\frac{5}{5}$ .

7.13.18: (2m+3) . 4 2/4 LOEN4

Sim  $m\left(\frac{3m}{4m+1}-1\right)=$  Sim  $m\left(\frac{5m+8}{6m+1}\cdot\frac{6}{5}-1\right)=$ 

 $= \lim_{m \to +\infty} m \left( \frac{30m + 48}{30m + 35} - 1 \right) = \lim_{m \to \infty} m \cdot \frac{30m + 48 - 35m - 35}{30m + 35} =$ 

= 25m m. 13 = 13 <1

Deci Z \*m este divergentă.

## ९्री:

Deci 
$$\sum_{m=1}^{\infty} x_m \sim \sum_{m=2}^{\infty} \lambda_m^2$$
.

$$\sum_{m=2}^{\infty} 2^{m} \times 2^{m} = \sum_{m=2}^{\infty} \frac{1}{2^{m}} 2^{m} 2^{m} = \sum_{m=2}^{\infty} \frac{1}{m^{2m}} 2^{m}$$

= 
$$\mathbb{Z}^{1}$$
  $(2m2)$ .  $\frac{1}{m}$  divergentà, deastece  $\mathbb{Z}^{1}$   $\frac{1}{m}$  este  $m=2$   $m$ 

## :. So?

$$x^{m} = \frac{x_{m} + w_{3}}{\sigma_{m}} + \frac{x_{m} + w_{3}}{\omega}$$

, atimil es sitaranmas et indistris morafinas





